

Fig 1

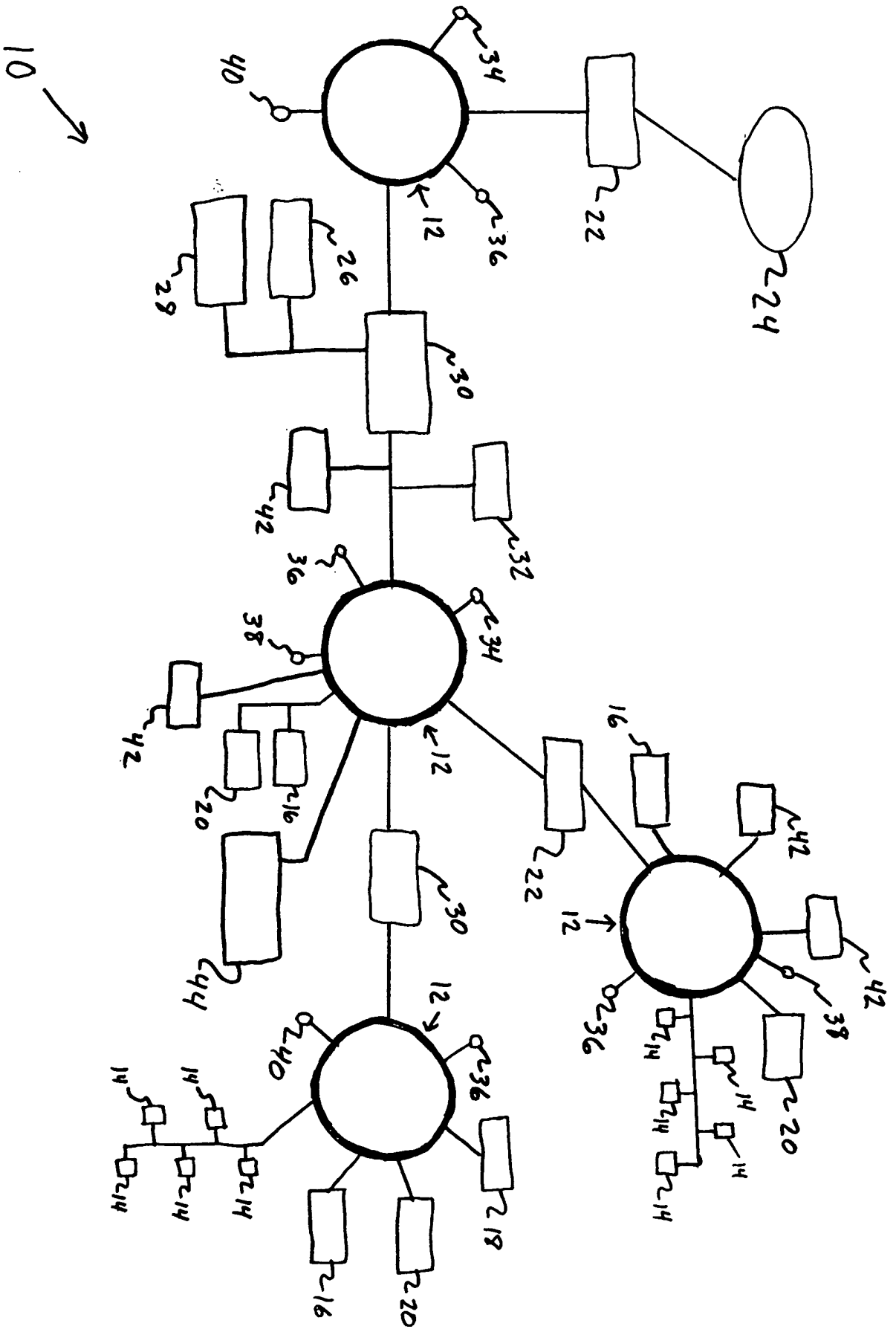


Figure 2

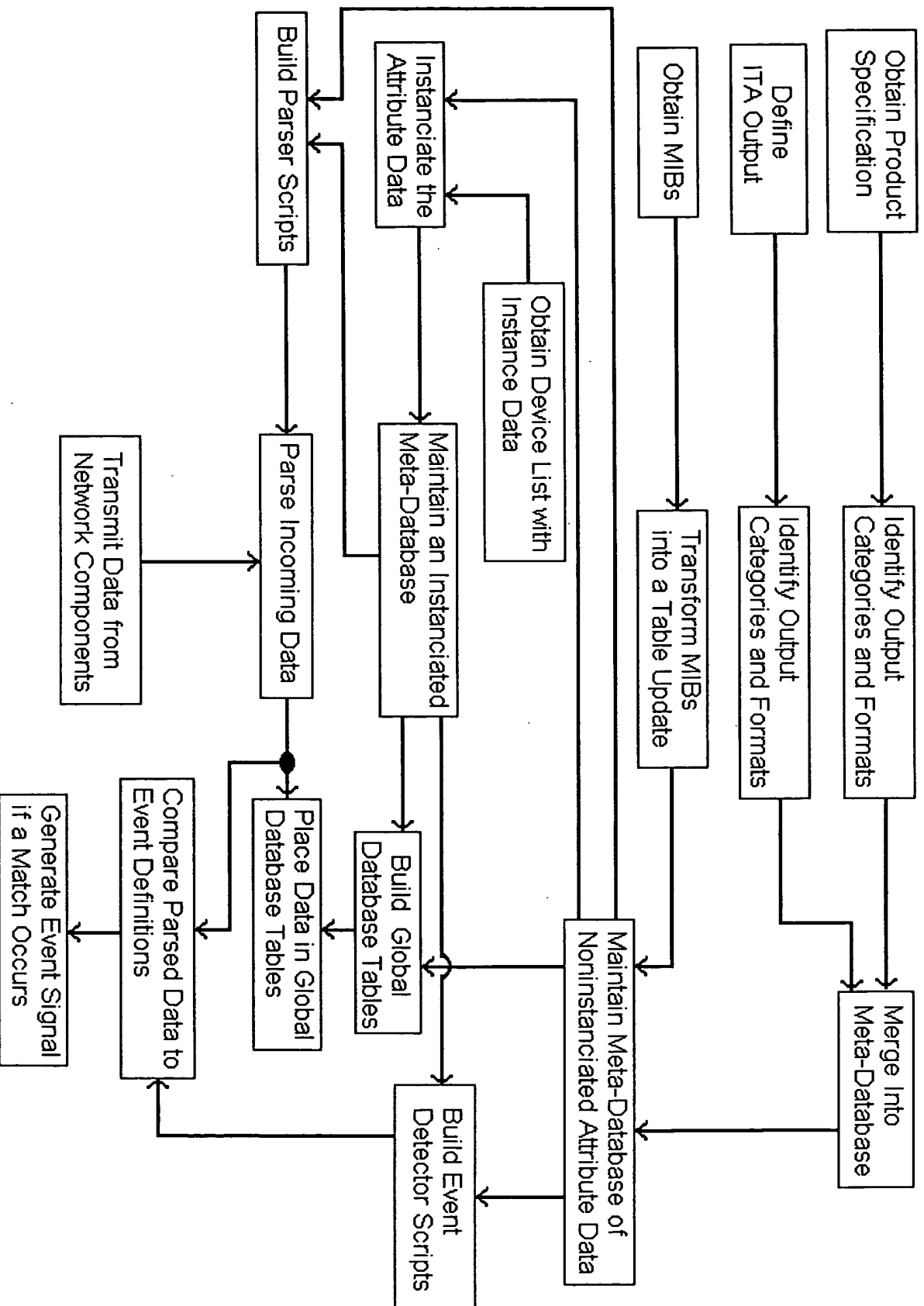


Figure 3

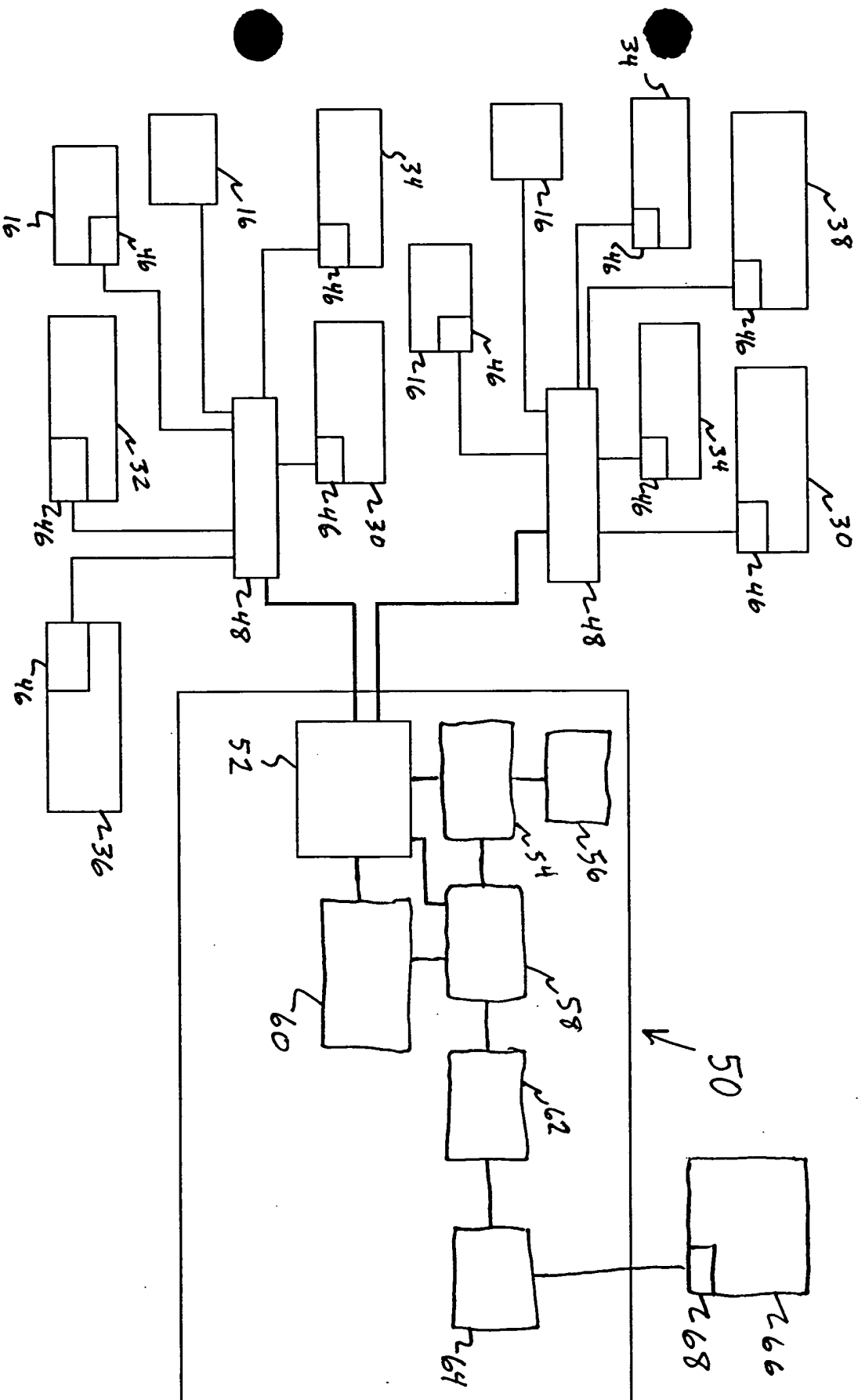


FIGURE 4 Continued
Figure

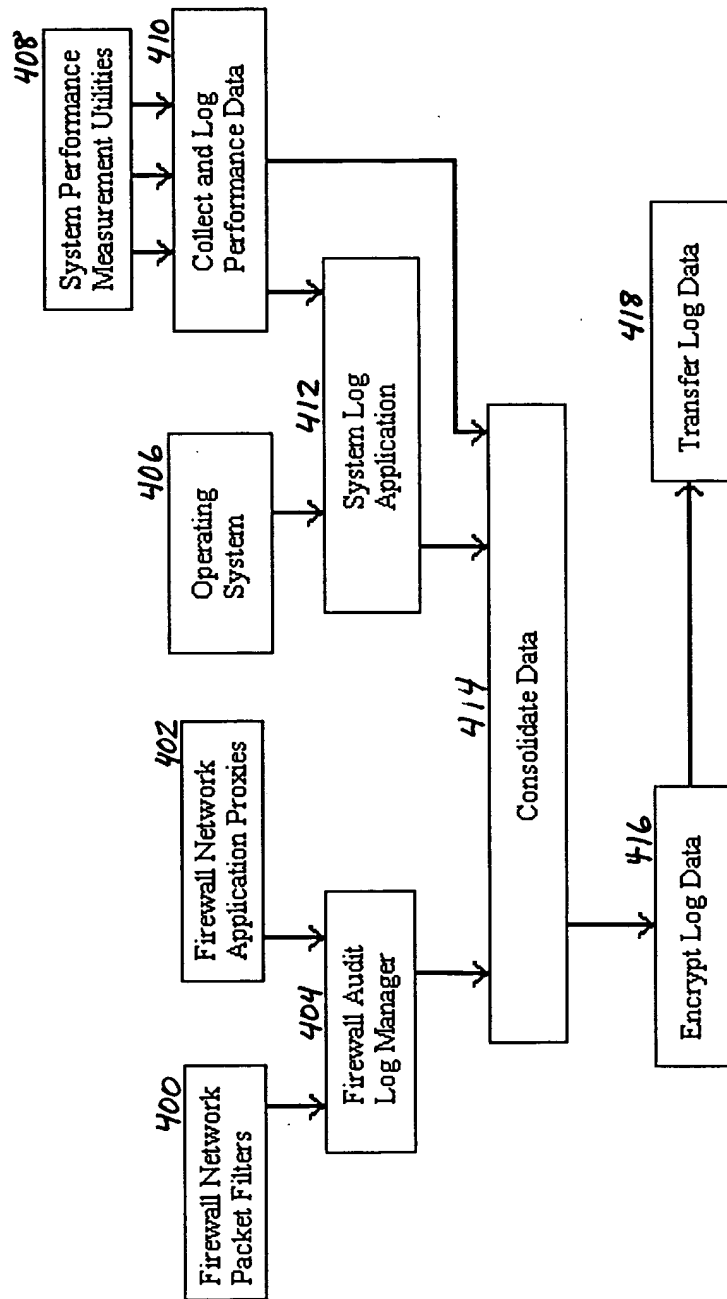


Figure 5

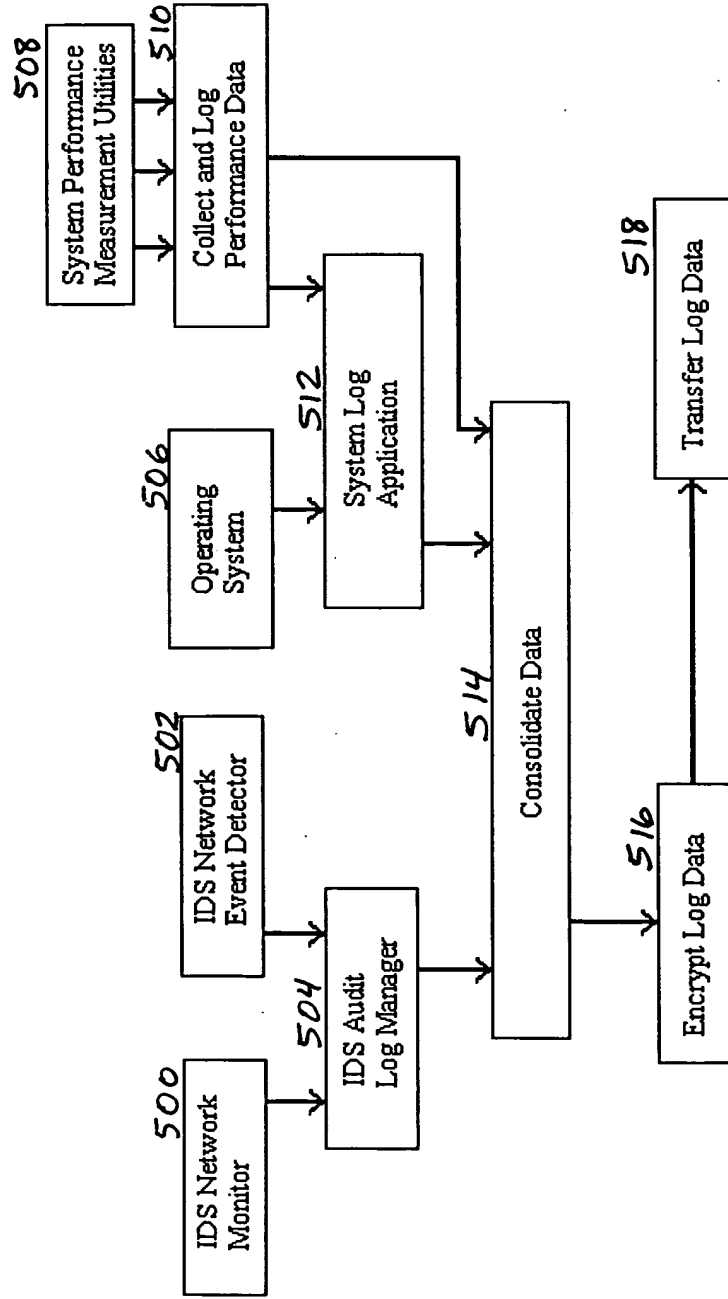


Figure 6

Transaction Table 700

transaction id	name	description	stream id	system type id	conditional
X200154	Network Transaction	A record of a network transaction through a CyberGuard firewall	R100204	T100001	(\$Action == "T")
X317189	CPU Utilization	A record of CPU percent idle, percent system, percent I/O, and percent user	R113203	T100001	TRUE

System Type Table 702

system type id	make	model	title	load	version	revision	patch
T100001	CyberGuard Corp	3412-02	CyberGuard Firewall For UNIX	CyberGuard	2	2.3	11

Stream Table 704

stream id	stream type	stream path	end of record	end of field
R100204	DELIMITED_FLAT_FILE	/var/audit_logs/old/NetguardD	NEWLINE	SPACE
R113203	FIXED_FORM_FLAT_FILE	/store/compressed/stat.log	NEWLINE	N_A

Figure 7

Element Table 706

action id	element id	name	description	legal value	data unit	refresh period	sample period	period unit	aggregate
X200154	E312073	Date	Date of network transaction	DATE_ISO	N A	ASYN	SYN	N A	N A
X200154	E312074	Time	Time of network transaction	TIME_24	N A	ASYN	SYN	N A	N A
X200154	E312075	Action	Transaction Type	CHAR	N A	ASYN	SYN	N A	N A
X200154	E312076	Source IP	Name of source firewall network interface	ALPHANUMERIC	N A	ASYN	SYN	N A	N A
X200154	E312077	Destination IP	Name of destination firewall network interface	ALPHANUMERIC	N A	ASYN	SYN	N A	N A
X200154	E312078	Source Address	Source IP address of packet	IP_4	N A	ASYN	SYN	N A	N A
X200154	E312079	Destination Address	Destination IP address of packet	IP_4	N A	ASYN	SYN	N A	N A
X200154	E312080	Protocol	IP protocol of packet	IP_PROTOCOL	N A	ASYN	SYN	N A	N A
X200154	E312081	Source Port	Source port number / service name of packet or ICMP type	ALPHANUMERIC	N A	ASYN	SYN	N A	N A
X200154	E312082	Destination Port	Destination port number / service name of packet or ICMP type	ALPHANUMERIC	N A	ASYN	SYN	N A	N A
X200154	E312083	Packets Sent	Number of packets passed from source to destination	UNSIGNED_INT_32	COUNT	ASYN	SYN	N A	N A
X200154	E312084	Packets Received	Number of packets passed from destination to source	UNSIGNED_INT_32	COUNT	ASYN	SYN	N A	N A
X200154	E312085	Bytes Sent	Number of bytes passed from source to destination	UNSIGNED_INT_32	COUNT	ASYN	SYN	N A	N A
X200154	E312086	Bytes Received	Number of bytes passed from destination to source	UNSIGNED_INT_32	COUNT	ASYN	SYN	N A	N A
X317189	E444120	Date	Date of measurement	DATE_ISO	N A	1	10 MINUTE	AVERAGE	AVERAGE
X317189	E444121	Time	Time of measurement	TIME_24	N A	1	10 MINUTE	AVERAGE	AVERAGE
X317189	E444122	CPU Idle	Percent CPU idle	UNSIGNED_INT_16	PERCENT	1	10 MINUTE	AVERAGE	AVERAGE
X317189	E444123	System Percentile	Percent of CPU used for system tasks	UNSIGNED_INT_16	PERCENT	1	10 MINUTE	AVERAGE	AVERAGE
X317189	E444124	I/O Percentile	Percent of CPU used for I/O tasks	UNSIGNED_INT_16	PERCENT	1	10 MINUTE	AVERAGE	AVERAGE
X317189	E444125	User Percentile	Percent of CPU used for user tasks	UNSIGNED_INT_16	PERCENT	1	10 MINUTE	AVERAGE	AVERAGE

Delimited Flat File Table 708

element id	encoding	record num	field num	subfield delim	subfield num	start in field	end in field
E312073	ASCII 7 BIT	ALL	1 NONE		0	0	0
E312074	ASCII 7 BIT	ALL	2 NONE		0	0	-1
E312075	ASCII 7 BIT	ALL	3 NONE		0	0	0
E312076	ASCII 7 BIT	ALL	4 /		1	0	0
E312077	ASCII 7 BIT	ALL	4 /		2	0	0
E312078	ASCII 7 BIT	ALL	5 NONE		0	0	0
E312079	ASCII 7 BIT	ALL	6 NONE		0	0	0
E312080	ASCII 7 BIT	ALL	7 NONE		0	0	0
E312081	ASCII 7 BIT	ALL	8 NONE		0	0	0
E312082	ASCII 7 BIT	ALL	9 NONE		0	0	0
E312083	ASCII 7 BIT	ALL	10 NONE		0	0	0
E312084	ASCII 7 BIT	ALL	11 NONE		0	0	0
E312085	ASCII 7 BIT	ALL	12 NONE		0	0	0
E312086	ASCII 7 BIT	ALL	13 NONE		0	0	0

Fixed Form Flat File Table 710

element id	encoding	record num	start in record	end in record
E444120	ASCII 7 BIT	ALL	1	10
E444121	ASCII 7 BIT	ALL	12	19
E444122	ASCII 7 BIT	ALL	21	23
E444123	ASCII 7 BIT	ALL	24	26
E444124	ASCII 7 BIT	ALL	27	29
E444125	ASCII 7 BIT	ALL	30	32



Figure 9

1999/10/27 09:00:00 0043004010023
1999/10/27 09:10:00 00022003005010
1999/10/27 09:20:00 00043004010023
1999/10/27 09:30:00 00043004010023
1999/10/27 09:40:00 00043004010023
1999/10/27 09:50:00 00043004010023

Figure 10

S0214_X317189 Data Table

Date	Time	CPU Idle	System Percentile	I/O Percentile	User Percentile
1999/10/27	09:00:00	43	4	10	23
1999/10/27	09:10:00	22	3	5	10
1999/10/27	09:20:00	43	4	10	23
1999/10/27	09:30:00	43	4	10	23
1999/10/27	09:40:00	43	4	10	23
1999/10/27	09:50:00	43	4	10	23